

2000 Publications

**National Marine Mammal Laboratory
Alaska Fisheries Science Center
National Marine Fisheries Service
7600 Sand Point Way NE
Seattle, WA 98115**

BAKER, J. D., and M. J. DONOHUE. 2000. Ontogeny of swimming and diving in northern fur seal (*Callorhinus ursinus*) pups. *Can. J. Zool.* 78:100-109.

BARAFF, L. S., and T. R. LOUGHIN. 2000. Trends and potential interactions between pinnipeds and fisheries of New England and the U.S. West Coast. *Mar. Fish. Rev.* 62(4):1-39. URL: <http://spo.nwr.noaa.gov/mfr624/mfr6241.pdf>

DAHLHEIM, M., A. YORK, R. TOWELL, J. WAITE, and J. BREIWICK. 2000. Harbor porpoise (*Phocoena phocoena*) abundance in Alaska: Bristol Bay to southeast Alaska, 1991-1993. *Mar. Mammal Sci.* 16:28-45.

Da SILVA, C. Q., J. ZEH, D. MADIGAN, J. LAAKE, D. RUGH, L. BARAFF, W. KOSKI, and G. MILLER. 2000. Capture-recapture estimation of bowhead whale population size using photo-identification data. *J. Cetacean Res. Manage.* 2:45-61.

DAWSON, S., S. DUFRESNE, E. SLOOTEN, and P. WADE. 2000. Line-transect survey of Hector's dolphin abundance between Motunau and Timaru. Department of Conservation, Wellington, New Zealand. 18 p. URL: <http://csl.doc.govt.nz/upload/documents/science-and-technical/CSL3072.PDF>

DeLONG, R. L., and S. R. MELIN. 2000. Thirty years of pinniped research at San Miguel Island, p. 401-406. In: Proceedings of the Fifth California Islands Symposium held at the Santa Barbara Museum of Natural History, CA, March 29-April 1, 1999. U.S. Dep. Inter., Miner. Manage. Serv. Pacific OCS Region.

DeMASTER, D. P. 2000. Some thoughts about SMM from Doug DeMaster, (most recent) past president. *Mar. Mammal Soc. Newslett.* 8(4):1-2.

FERRERO, R., and L. FRITZ. 2000. Steller sea lion/Alaskan groundfish fisheries interactions draw increased management attention. *Mar. Mammal Soc. Newslett.* 8(1):2.

FERRERO, R. C., S. E. MOORE, and R. C. HOBBS. 2000. Development of beluga, *Delphinapterus leucas*, capture and satellite tagging protocol in Cook Inlet, Alaska. *Mar. Fish. Rev.* 62(3):1127-123. URL: <http://spo.nwr.noaa.gov/mfr623/mfr62310.pdf>

FERRERO, R. C., D. P. DeMASTER, P. S. HILL, M. M. MUTO, and A. L. LOPEZ. 2000. Alaska marine mammal stock assessments, 2000. U.S. Dep. Commer., NOAA Tech. Memo., NMFS-AFSC-119. 191 p. URL: <http://www.nmfs.noaa.gov/pr/pdfs/sars/ak2000.pdf>

FORNEY, K. A., J. BARLOW, M. M. MUTO, M. LOWRY, J. BAKER, G. CAMERON, J. MOBLEY, C.

STINCHCOMB, and J. V. CARRETTA. 2000. U.S. Pacific marine mammal stock assessments: 2000. U.S. Dep. Commer., NOAA Tech. Memo., NMFS-SWFSC-300, 276 p.
URL: <http://www.nmfs.noaa.gov/pr/pdfs/sars/po2000.pdf>

FOWLER, C. W. 2000. Ecological effects of marine debris: the example of northern fur seals, p. 40-58. In: Proceedings of the International Conference on Derelict Fishing Gear and the Ocean Environment, 6-11 August 2000, Honolulu, HI. U.S. Dep. Commer., NOAA. URL: http://hawaiihumpbackwhale.noaa.gov/documents/pdfs_conferences/proceedings.pdf

FOWLER, C. W. 2000. Marine mammals: Examples of sustainability (poster), p. 25 In: P. M. Mace (editor), Proceedings of the sixth NMFS national stock assessment workshop: Incorporating ecosystem considerations into stock assessments and management advice, What are the pros and cons of going beyond single species? U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SPO-46. URL:

http://www.st.nmfs.noaa.gov/StockAssessment/workshop_documents/6NSAW.pdf

FOWLER, C. W. 2000. Measures of overfishing based on MSY (poster), p. 24 In: P. M. Mace (editor), Proceedings of the sixth NMFS national stock assessment workshop: Incorporating ecosystem considerations into stock assessments and management advice, What are the pros and cons of going beyond single species? U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SPO-46. URL:

http://www.st.nmfs.noaa.gov/StockAssessment/workshop_documents/6NSAW.pdf

FRITZ, L. W. 2000. Steller sea lion-induced changes in the management of pollock and Atka mackerel fisheries in the North Pacific, 1998-2000 (poster), p. 26 In: P. M. Mace (editor), Proceedings of the sixth NMFS national stock assessment workshop: Incorporating ecosystem considerations into stock assessments and management advice, What are the pros and cons of going beyond single species? U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SPO-46. URL:

http://www.st.nmfs.noaa.gov/StockAssessment/workshop_documents/6NSAW.pdf

GEARIN, P. J., M. E. GOSHO, J. L. LAAKE, L. COOKE, R. L. DeLONG, and K. M. HUGHES. 2000. Experimental testing of acoustic alarms (pingers) to reduce bycatch of harbour porpoise, *Phocoena phocoena*, in the state of Washington. *J. Cetacean Res. Manage.* 2:1-9.

GERBER, L. R., D. P. DeMASTER, and S. P. ROBERTS. 2000. Measuring success in conservation. *Am. Sci.* 88(4):316-324.

HARVEY, J. T., T. R. LOUGHIN, M. A. PEREZ, and D. S. OXMAN. 2000. Relationship between fish size and otolith length for 63 species of fishes from the eastern North Pacific Ocean. U. S. Dep. Commer., NOAA Tech. Rep. NMFS-150, 36 p. URL

<http://spo.nwr.noaa.gov/tr150.pdf>

HOBBS, R. C., D. J. RUGH, and D. P. DeMASTER. 2000. Abundance of belugas, *Delphinapterus leucas*, in Cook Inlet, Alaska, 1994-2000. *Mar. Fish. Rev.* 62(3):37-45.
URL: <http://spo.nwr.noaa.gov/mfr623/mfr6235.pdf>

HOBBS, R. C., J. M. WAITE, and D. J. RUGH. 2000. Beluga, *Delphinapterus leucas*, group sizes in Cook Inlet, Alaska, based on observer counts and aerial video. *Mar. Fish. Rev.* 62(3):46-59.
URL: <http://spo.nwr.noaa.gov/mfr623/mfr6236.pdf>

LAIDRE, K., K. E. W. SHELDEN, D. J. RUGH, and B. A. MAHONEY. 2000. Beluga, *Delphinapterus leucas*, distribution and survey effort in the Gulf of Alaska. *Mar. Fish. Rev.* 62(3):27-36.
URL: <http://spo.nwr.noaa.gov/mfr623/mfr6234.pdf>

LANDER, M. E., F. M. D. GULLAND, and R. L. DeLONG. 2000. Satellite tracking a rehabilitated Guadalupe fur seal (*Arctocephalus townsendi*). *Aquatic Mammals* 26(2): 137-142.

LERCZAK, J. A., K. E. W. SHELDEN, and R. C. HOBBS. 2000. Application of suction-cup-attached VHF transmitters to the study of beluga, *Delphinapterus leucas*, surfacing behavior in Cook Inlet, Alaska. *Mar. Fish. Rev.* 62(3):99-111. URL: <http://spo.nwr.noaa.gov/mfr623/mfr6239.pdf>

LOUGHLIN, T. 2000. Northern fur seals. *Alaska Geogr.* 27(2):46-59.

LOUGHLIN, T. 2000. Steller sea lions. *Alaska Geogr.* 27(2):60-73.

LOUGHLIN., T. R., and A. E. YORK. 2000. An accounting of the sources of Steller sea lion, *Eumetopias jubatus*, mortality. *Mar. Fish. Rev.* 62(4):40-45. URL:
<http://spo.nwr.noaa.gov/mfr624/mfr6242.pdf>

LOWRY, L. R., V. N. BURKANOV, K. J. FROST, M. A. SIMPKINS, R. DAVIS, D. P. DeMASTER, R. SUYDAM, and A. SPRINGER. 2000. Habitat use and habitat selection by spotted seals (*Phoca largha*) in the Bering Sea. *Can. J. Zool.* 78:1959-1971.

LYONS, E. T., R. L. DeLONG, F. M. GULLAND, S. R. MELIN, S. C. TOLLIVER, and T. R. SPRAKER. 2000. Comparative biology of *Uncinaria* spp. in the California sea lion (*Zalophus californianus*) and the northern fur seal (*Callorhinus ursinus*) in California. *J. Parasitol.* 86(6):1348-1352.

MAHONEY, B. A., and K. E. W. SHELDEN. 2000. Harvest history of belugas, *Delphinapterus leucas*, in Cook Inlet, Alaska. *Mar. Fish. Rev.* 62(3):124-133. URL:
<http://spo.nwr.noaa.gov/mfr623/mfr62311.pdf>

MELIN, S. R., and R. L. DeLONG. 2000. At-sea distribution and diving behavior of California sea lion females from San Miguel Island, California, p. 407-412. In: Proceedings of the Fifth California Islands Symposium held at the Santa Barbara Museum of Natural History, CA, March 29-April 1, 1999. U.S. Dep. Inter., Miner. Manage. Serv., Pacific OCS Region.

MELIN, S. R., and R. L. DeLONG. 2000. Population monitoring studies of northern fur seals at San Miguel Island, 1998., p. 41-51. In: B. W. Robson (editor), Fur seal investigations, 1998. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-113. URL:
<http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-113.pdf>

MELIN, S. R., R. L. DeLONG, J. R. THOMASON, and G. R. Van BLARICOM. 2000. Attendance patterns of California sea lion (*Zalophus californianus*) females and pups during the non-breeding season at San Miguel Island. *Mar. Mammal Sci.* 16:169-185.

MILLER, E. H., K. W. PITCHER, and T. R. LOUGHIN. 2000. Bacular size, growth, and allometry in the largest extant otariid, the Steller sea lion (*Eumetopias jubatus*). *J. Mammal.* 81:134-144.

MOORE, S. E. 2000. Variability of cetacean distribution and habitat selection in the Alaskan Arctic, autumn 1982-91. *Arctic* 4:448-460.

MOORE, S. E., and D. P. DeMASTER. 2000. Cook Inlet belugas, *Delphinapterus leucas*: Status and overview. *Mar Fish. Rev.* 62(3):1-5. URL: <http://spo.nwr.noaa.gov/mfr623/mfr6231.pdf>

MOORE, S. E., D. P. DeMASTER, and P. K. DAYTON. 2000. Cetacean habitat selection in the Alaskan Arctic during summer and autumn. *Arctic* 4:432-447.

MOORE, S. E., K. E. W. SHELDEN, L. K. LITZKY, B. A. MAHONEY, and D. J. RUGH. 2000. Beluga, *Delphinapterus leucas*, habitat associations in Cook Inlet, Alaska. *Mar. Fish. Rev.* 62(3):60-80. URL: <http://spo.nwr.noaa.gov/mfr623/mfr6237.pdf>

MOORE, S. E., J. M. WAITE, L. L. MAZUCCA, and R. C. HOBBS. 2000. Mysticete whale abundance and observations of prey associations on the central Bering Sea shelf. *J. Cetacean Res. Manage.* 2:227-234.

NADLER, S. A., B. J. ADAMS, E. T. LYONS, R. L. DeLONG, and S. R. MELIN. 2000. Molecular and morphometric evidence for separate species of Uncinaria (Nematoda: Ancylostomatidae) in California sea lions and northern fur seals: Hypothesis testing supplants verification. *J. Parasitol.* 86:1099-1106.

NATIONAL MARINE MAMMAL LABORATORY and NATIONAL RESEARCH INSTITUTE of FAR SEAS FISHERIES, JAPAN. 2000. Incidence of fungal infections of the pelage in northern fur seals during 1998, p. 65-73. In: B. W. Robson (editor), Fur seal investigations, 1998. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-113. URL: <http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-113.pdf>

PISTORIUS, P. A., M. N. BESTER, S. P. KIRKMAN, and P. L. BOVENG. 2000. Evaluation of age- and sex-dependent rates of tag loss in southern elephant seals. *J. Wildl. Manage.* 64(2):373-380.

REA, L. D., D. A. S. ROSEN, and A. W. TRITES. 2000. Metabolic response to fasting in 6-week-old Steller sea lion pups (*Eumetopias jubatus*). *Can. J. Zool.* 78:890-894.

READ, A. J., and P. R. WADE. 2000. Status of marine mammals in the United States. *Conserv. Biol.* 14:929-940.

ROBSON, B. W. (editor). 2000. Fur seal investigations, 1998. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-113, 101 p. URL: <http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-113.pdf>

ROBSON, B. W. 2000. Introduction, p. 1-6. In: B. W. Robson (editor), Fur seal investigations, 1998. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-113. URL: <http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-113.pdf>

ROSENBAUM, H. C., R. L. BROWNELL Jr., M. W. BROWN, S. C. SCHAEFF, V. PORTWAY, B. N. WHITE, S. MALIK, L. A. PASTENE, N. J. PATENAUME, C. S. BAKER, M. GOTO, P. B. BEST, P. J. CLAPHAM, P. HAMILTON, M. MOORE, R. PAYNE, V. ROWNTREE, C. T. TYNAN, J. L. BANNISTER, and R. DeSALLE. 2000. World-wide genetic differentiation of *Eubalaena*: Questioning the number of right whale species. *Molec. Ecol.* 9:1793-1802.

RUGH, D. J., K. E. W. SHELDEN, and B. A. MAHONEY. 2000. Distribution of belugas, *Delphinapterus leucas*, in Cook Inlet, Alaska, during June/July 1993-2000. *Mar. Fish. Rev.* 62(3):6-21. URL: <http://spo.nwr.noaa.gov/mfr623/mfr6232.pdf>

SCHOLIN, C. A., F. GULLAND, G. J. DOUCETTE, S. BENSON, M. BUSMAN, F. P. CHAVEZ, J. CORDARO, R. DeLONG, A. De VOGELAERE, J. HARVEY, M. HAULENA, K. LEFEBVRE, T. LIPSCOMB, S. LOSCUTOFF, L. J. LOWENSTINE, R. MARIN III, P. E. MILLER, W. A. McLELLAN, P. D.R. MOELLER, C. L. POWELL, T. ROWLES, P. SILVAGNI, M. SILVER, T. SPRAKER, V. TRAINER, and F. M. Van DOLAH. 2000. Mortality of sea lions along the central California coast linked to a toxic diatom bloom. *Nature* 403(6765):80-84.

SHELDEN, K. E. W., D. J. RUGH, J. L. LAAKE, J. M. WAITE, P. J. GEARIN, and T. R. WAHL. 2000. Winter observation of cetaceans off the northern Washington coast. *Northwest. Nat.* 81(2):54-59.

STEPETIN, C. M., S. M. ZACHAROF, B. W. ROBSON, and M. KIYOTA. 2000. Northern fur seal entanglement : St. Paul Island, 1998, p. 53-63. In: B. W. Robson (editor), Fur seal investigations, 1998. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-113. URL: <http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-113.pdf>

TAYLOR, B. L., and P. R. WADE. 2000. "Best" abundance estimates and best management: Why they are not the same, p. 96-108. In: S. Ferson and M. Burgman, (editors), Quantitative methods for conservation biology. Springer, New York.

TAYLOR, B. L., P. R. WADE, D. P. DeMASTER, and J. BARLOW. 2000. Incorporating uncertainty into management models for marine mammals. *Conserv. Biol.* 14:1243-1252.

TOWELL, R. G., R. R. REAM, and A. E. YORK. 2000. Mass, length, and sex ratios of northern fur seal pups on St. Paul and St. George Islands, 1998, p. 27-40. In: B. W. Robson (editor), Fur seal investigations, 1998. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-113. URL: <http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-113.pdf>

URBÁN R., J., A. JARAMILLO L., A. AGUAYO L., P. LADRÓN DE GUEVARA P., M. SALINAS Z., C. ALVAREZ F., L. MEDRANO G., J. K. JACOBSEN, K. C. BALCOMB, D. E. CLARIDGE, J. CALAMBOKIDIS, G. H. STEIGER, J. M. STRALEY, O. VON ZIEGESAR, J. M. WAITE, S. MIZROCH, M. E. DAHLHEIM, J.D. DARLING, and C. S. BAKER. 2000. Migratory destinations of humpback whales wintering in the Mexican Pacific. *J. Cetacean Res. Manage.* 2:101-110.

WADE, P. R. 2000. Bayesian methods in conservation biology. *Conserv. Biol.* 14:1308-1316.

YORK, A. E., R. G. TOWELL, R. R. REAM, J. D. BAKER, and B. W. ROBSON. 2000. Population assessment, Pribilof Islands, Alaska, p. 7-26. In: B. W. Robson (editor), Fur seal

investigations, 1998. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-113. URL:
<http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-113.pdf>

NMML Gray Literature - 2000

DAHLHEIM, M., D. BAIN, C. SIMS, and D. DeMASTER. (compilers). 2000. Southern resident killer whale workshop. AFSC Processed Rep. 2000-06, 17 p. Alaska Fish. Sci. Cent., Natl. Mar. Fish. Serv., NOAA, 7600 Sand Point Way NE., Seattle, WA 98115. URL:
<http://www.afsc.noaa.gov/Publications/ProcRpt/PR%202000-06.PDF>

LOPEZ, A. L., and D. P. DeMASTER (editors). 2000. Marine Mammal Protection Act and Endangered Species Act implementation program 1999. AFSC Processed Report 2000-11, 195 p. Alaska Fish. Sci. Cent., Natl. Mar. Fish. Serv., NOAA, 7600 Sand Point Way NE., Seattle, WA 98115.

RUGH, D. J. 2000. The beluga whales in Cook Inlet. AFSC Quarterly Report Feature (October-November-December 2000). URL:
<http://www.afsc.noaa.gov/Quarterly/ond2000/feature.htm>